

Appln No.: 09/601,644  
 Amendment Dated: March 3, 2005  
 Reply to Office Action of December 3, 2004

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**Amendments to the Specification:**

On Page 18, please replace Table 1 with a new Table as follows:

| Clone     | Loop 1   | Loop 2   | Mutation Rate |
|-----------|--|--|---------------|
| Wild-type | AAT GAT GAC GAT ACC Seq ID No 5<br>N D D D T Seq ID No 7   | TTT ACC AAC AGA Seq ID No 6<br>F T N R Seq ID No 8   |               |
| ShT 6     | AAC GAG GAG GAG ACG Seq ID No. 9<br>N E E E T Seq ID No 10 | TTC GCG AAC AGC Seq ID No 11<br>F A N N Seq ID No 12 | 5/9           |
| ShT 13    | AAC GAG CAG GAC ACC Seq ID No 13<br>N E Q D T Seq ID No 14 | TTC ACC CAC AGG Seq ID No 15<br>F T H R Seq ID No 16 | 3/9           |
| ShT 15    | AAG GAG AAC GAG AGC Seq ID No 17<br>K E N E S Seq ID No 18 | TTC GCG AAC AAC Seq ID No 19<br>F A N N Seq ID No 12 | 7/9           |
| ShT 17    | AAG GAC GAC GCG AGG Seq ID No 20<br>K D D A R Seq ID No 21 | TTG ACC CAG AGG Seq ID No 22<br>L T Q R Seq ID No 23 | 5/9           |
| ShT 19    | AAG GAC GAC GAC ACG Seq ID No 24<br>K D D D T Seq ID No 25 | TTG ACC CAG AGG Seq ID No 22<br>L T Q R Seq ID No 23 | 3/9           |

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On page 21, please replace Table 2 with a new table as follows:

| Clone     | Loop 1                      | Loop2                      |
|-----------|-----------------------------|----------------------------|
| wild-type | N D D D T      Seq ID No 7  | F T N R      Seq ID No. 8  |
| ShT 66    | N E E E T      Seq ID No 10 | E F T G      Seq ID No. 26 |
| ShT 110   | N D D D T      Seq ID No 7  | F T K S      Seq ID No. 27 |
| ShT 128   | T T D D P      Seq ID No 28 | G T R G      Seq ID No. 29 |
| ShT 220   | N D D D T      Seq ID No 7  | L T N G      Seq ID No. 30 |
| ShT 241   | N D D D T      Seq ID No 7  | F T K S      Seq ID No. 27 |
| ShT 256   | N D D D T      Seq ID No 7  | L P N R      Seq ID No. 31 |
| ShT 265   | N D D D T      Seq ID No 29 | F T N C      Seq ID No. 38 |
| ShT 415   | K E D E S      Seq ID No 33 | L T K R      Seq ID No. 34 |
| ShT 506   | N D D D T      Seq ID No 7  | L T K S      Seq ID No. 35 |
| ShT 619   | Y D D N P      Seq ID No 36 | L T N S      Seq ID No. 37 |
| ShT 766   | N D D D T      Seq ID No 7  | L T K R      Seq ID No. 34 |
| ShT 767   | K K E E P      Seq ID No 38 | C A N R      Seq ID No. 39 |
| ShT A22   | N D D D T      Seq ID No 7  | L T K R      Seq ID No. 34 |
| ShT A25   | N D D D T      Seq ID No 7  | L T N R      Seq ID No. 40 |

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On page 23, please replace Table 3 with a new table as follows:

| Clone     | Loop 1                      | Loop2                     |
|-----------|-----------------------------|---------------------------|
| wild-type | N D D D T      Seq ID No 7  | F T N R      Seq ID No 8  |
| ShT 122   | C L L N G      Seq ID No 41 | Y Q E P      Seq ID No 42 |
| ShT 126   | Q G L Q L      Seq ID No 43 | T L T G      Seq ID No 44 |
| ShT 142   | T G A T M      Seq ID No 45 | P T G I      Seq ID No 46 |
| ShT 241   | F R P A G      Seq ID No 47 | L R C G      Seq ID No 48 |
| ShT 308   | P Y V F L      Seq ID No 49 | M V A N      Seq ID No 50 |
| ShT 324   | K S M D Q      Seq ID No 51 | L S K W      Seq ID No 52 |
| ShT 715   | Q G E Y G      Seq ID No 53 | I Q E R      Seq ID No 54 |
| ShT 823   | M V Q E K      Seq ID No 55 | S K K Q      Seq ID No 56 |
| ShT 824   | D Y F Q T      Seq ID No 57 | R H Y S      Seq ID No 58 |